

#387

# ATLAS IRON AND WIRE WORKS



CATALOG NO. 5

## ORNAMENTAL IRON WIRE WORK

### ARCHITECTURAL WORK IN ANY METAL

MILWAUKEE,  
WISCONSIN





# ORNAMENTAL IRON WIRE WORK

ARCHITECTURAL WORK  
In Any Metal



ATLAS IRON & WIRE WORKS  
Milwaukee, Wis.



SPACE in the following pages permits showing our products only very superficially. We have the equipment and working force necessary to fabricate a wide range of Miscellaneous and Ornamental Metal Work and are ready at all times to quote prices on whatever may be required within the range of our facilities.

We also design to order and submit special drawings for approval.

We can figure architects' plans and specifications promptly. Where the size of the job warrants, we are prepared to quote also on erecting the work wherever required.

In ordering or writing for price, state your requirements as fully as possible and if necessary submit rough sketch to illustrate your meaning.


















We take this occasion to thank our customers and the trade for the business we have been favored with in the past. To merit a continuance of friendly relations shall be our constant aim.





## Table of Standard Wire Gauges

WITH EQUIVALENTS IN DECIMAL PARTS OF AN INCH AND WEIGHTS

Approx. Fraction of Inch	No. of Wire		Dia. in Decimals of Inch (W. & M. Gauge)	Weight Per 100 Ft. in Lbs. (W. & M. Gauge)	Diameter in Decimals of Inch American or Brown & Sharp Gauge	U. S. Standard Gauge	Birmingham or Stub Gauge
13/32	0000		.3930	41.36	.4600	.4062	.454
3/8	000		.3620	35.05	.4096	.3750	.425
11/32	00		.3310	29.04	.3648	.3437	.380
5/16	0		.3065	27.66	.3250	.3125	.340
9/32	1		.2830	21.23	.2893	.2812	.300
	2		.2625	18.34	.2576	.2656	.284
1/4	3		.2437	15.78	.2294	.2500	.259
7/32	4		.2253	13.39	.2043	.2344	.238
13/64	5		.2070	11.35	.1820	.2187	.220
3/16	6		.1920	9.73	.1620	.2031	.203
	7		.1770	8.03	.1443	.1875	.180
5/32	8		.1620	6.96	.1285	.1719	.165
	9		.1483	5.08	.1144	.1562	.148
	10		.1350	4.83	.1019	.1406	.134
1/8	11		.1205	3.82	.0907	.1250	.120
	12		.1055	2.92	.0808	.1094	.109
3/32	13		.0915	2.24	.0720	.0937	.095
	14		.0800	1.69	.0641	.0781	.083
	15		.0720	1.37	.0571	.0703	.072
1/16	16		.0625	1.05	.0508	.0625	.065
	17		.0540	.77	.0453	.0562	.058
3/64	18		.0475	.58	.0403	.0500	.049
	19		.0410	.45	.0359	.0437	.042
	20		.0348	.32	.0320	.0375	.035

### WIRE GAUGES

The illustration shows exact sizes of wire, according to WASHBURN & MOEN Gauge which is the accepted standard for steel wire.

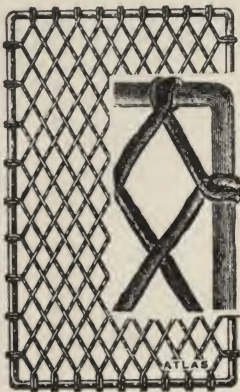
Comparative figures are given in the table on this page, but it should be remembered that Washburn & Moen Gauge governs unless otherwise specified.

The trade is cautioned against the practice of quoting on B. & S. Gauge which in most cases is considerably lighter than the corresponding number of W. & M. Gauge.



## Wire Window Guards

NO. 20 ROUND FRAME GUARD



On this page are shown wire guards with No. 20 round frame and No. 21 channel frame and detail of each.

The No. 20 round frame guards shown at left may be made to lap over the opening and fastened to face of woodwork. If that is wanted specify the dimensions of the guards enough larger than the size of the openings to give the desired lap. Or, the No. 20 round frame guards may be made to fit into the openings, in which case merely specify the exact size of the opening into which the guard is to fit. Staples for fastening No. 20 round frame guards are included with each shipment at no extra charge. Eyelets, lugs, hinges and hasps, as shown on the next page, are charged extra.

The No. 21 channel frame guards shown at right must be made to fit into the openings and exact sizes of the openings should be given when ordering.

In every case be sure to state which is the width (horizontal dimension) and which is the height (vertical dimension). Guards

will always be made overall to the dimensions furnished to us. Use care in taking measurements so as to avoid error.



### PRICE LIST OF WINDOW GUARDS PER SQUARE FOOT

#### No. 20 Round Frame Guards

#### No. 21 Channel Frame Guards

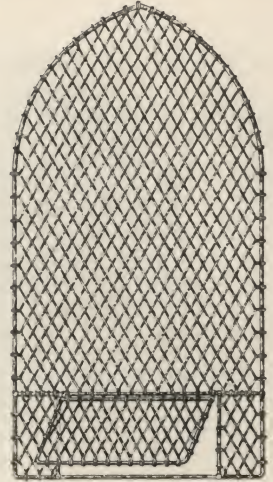
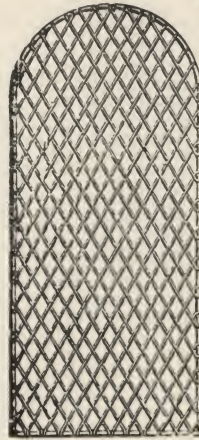
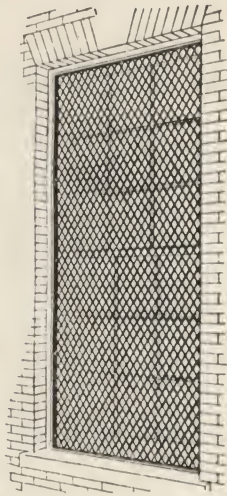
No. of Wire	Size of Mesh	1/4" Dia. Round Frame	5/16" Dia. Round Frame	3/8" Dia. Round Frame	3/4" Channel Frame	1" Channel Frame
14	3/4"	\$ .26	\$ .28	\$ .30	\$ .40	\$ .44
13	3/4"	.28	.30	.32	.42	.46
12	3/4"	.30	.32	.34	.44	.48
13	1"	.22	.24	.26	.36	.40
12	1"	.24	.26	.28	.38	.42
11	1"	.26	.28	.30	.40	.44
10	1"	.32	.34	.36	.46	.50
9	1"	----	.40	.42	.52	.56
12	1 1/4"	.21	.23	.25	.35	.39
11	1 1/4"	.23	.25	.27	.37	.41
10	1 1/4"	.26	.28	.30	.40	.44
9	1 1/4"	.29	.31	.33	.43	.47
8	1 1/4"	----	.38	.40	----	.54
11	1 1/2"	.20	.22	.24	.34	.38
10	1 1/2"	.22	.24	.26	.36	.40
9	1 1/2"	.24	.26	.28	.38	.42
8	1 1/2"	.30	.32	.34	.44	.48
7	1 1/2"	----	.36	.38	----	.52
6	1 1/2"	----	----	.42	----	.56
10	1 3/4"	.20	.22	.24	.34	.38
9	1 3/4"	.23	.25	.27	.37	.41
8	1 3/4"	.24	.26	.28	.38	.42
7	1 3/4"	----	.32	.34	----	.48
6	1 3/4"	----	----	.40	----	.54
10	2"	.19	.21	.23	.33	.37
9	2"	.20	.22	.24	.34	.38
8	2"	.22	.24	.26	.36	.40
7	2"	----	----	.30	----	.44
6	2"	----	----	.34	----	.48

NOTE: NO GUARD IS FIGURED AT LESS THAN TEN SQUARE FEET AND NO DIMENSION AT LESS THAN TWO FEET  
IRREGULAR SHAPES ARE CHARGED EXTRA





## Wire Window Guards

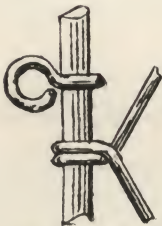


Above illustration shows wire window guard installed.

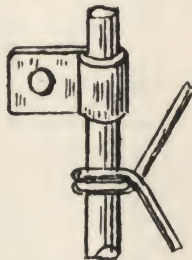
No. 19—Wire Window Guard, Round Top — with No. 20 Round Frame.

No. 18—Gothic Top Window Guard with No. 20 Round Frame. Note swinging panel to permit operation of Ventilator Section of Window.

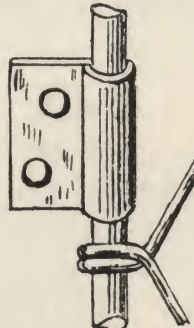
## Fittings for Wire Window Guards



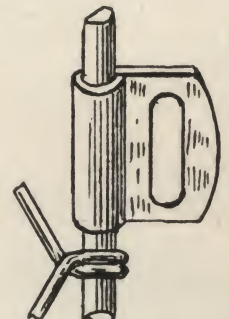
No. 3—Wire Eyelet through which screws may be used for fastening instead of the usual staples.



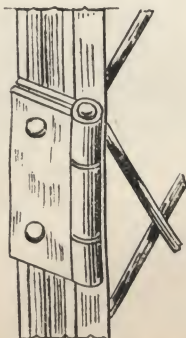
No. 4—Strap Iron Lug to permit fastening Round Frame Guards by means of screws.



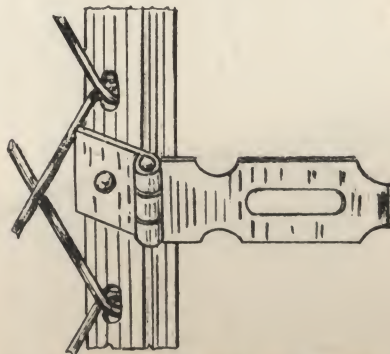
No. 1—Hinge for Round Frame Guard.



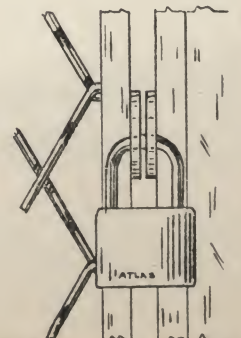
No. 2—Hasp for Round Frame Guard.



No. 5—Butt Hinge for Channel Frame Guard.



No. 6 — Hinge Hasp for Channel Frame Guard.



No. 7—Lug for Padlock Fastening.

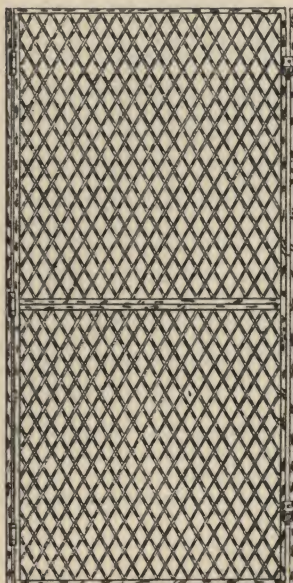
The fittings shown above are furnished at an additional charge. Send particulars when ordering or writing for price.





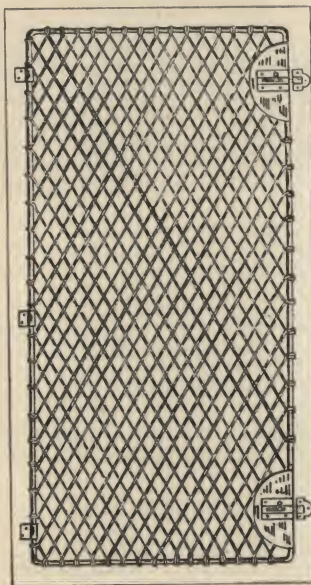
## Wire Window Guards

NO. 22—WINDOW GUARD



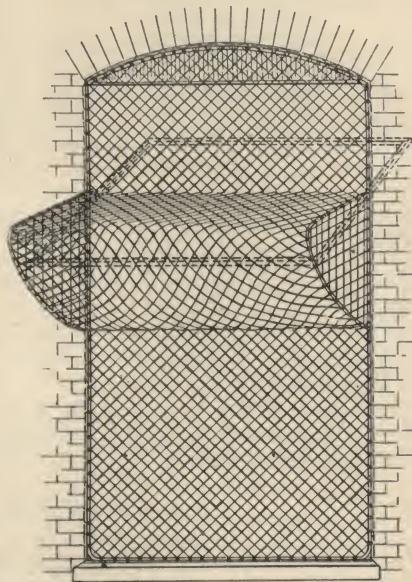
Made with No. 21 Channel Frame, with Channel Hinge and Lock Bars, provided with No. 5 Hinges and No. 7 Lugs for padlock fastening. Can be used as a door.

NO. 23—WINDOW GUARD



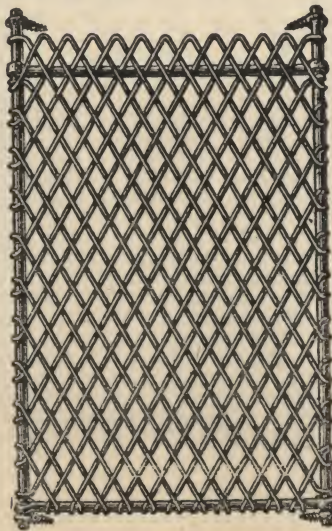
Made with No. 20 Round Frame, usually  $\frac{3}{8}$ ", provided with No. 1 Hinge and slide bolts on opposite side. This type is less costly than the No. 22.

NO. 25—WINDOW GUARD



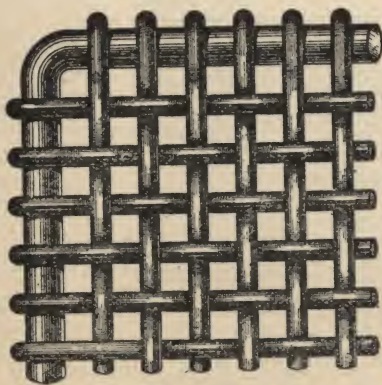
This type is used for Pivot Sash Windows. Send detail of sash and of window opening when ordering or writing for price. Can be made either with Round or Channel frame.

NO. 24—REMOVABLE GUARD



Constructed with No. 20 Round Frame projecting at sides to set in screw eyes. Can be provided with padlock fastening arrangement.

No. 28—JAIL WINDOW GUARD



This Guard is generally made of No. 12 wire, with  $\frac{1}{4}$ " openings which prevents passing anything to the prisoners from the outside. Generally fastened to the steel bars.

NO. 29—WIRE GUARD

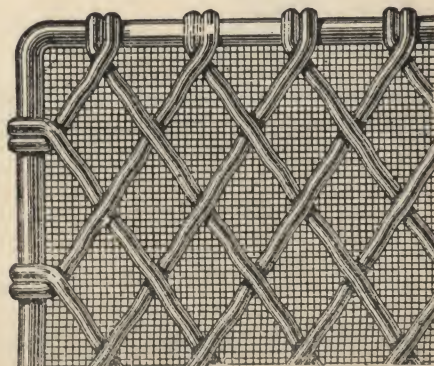
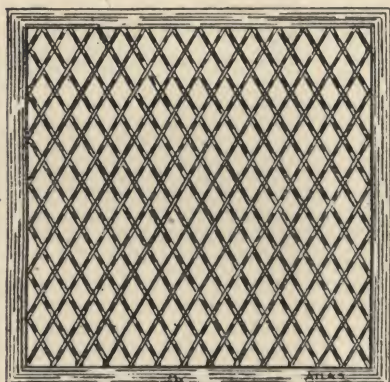


Illustration shows wire guard lined with screen cloth, which may of course be either painted, galvanized or bronze.

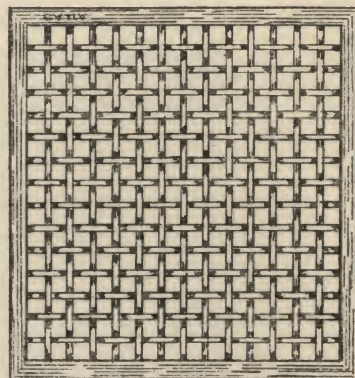




## Miscellaneous Wire Work



WIRE GUARDS  
WITH ANGLE  
IRON  
FRAMES

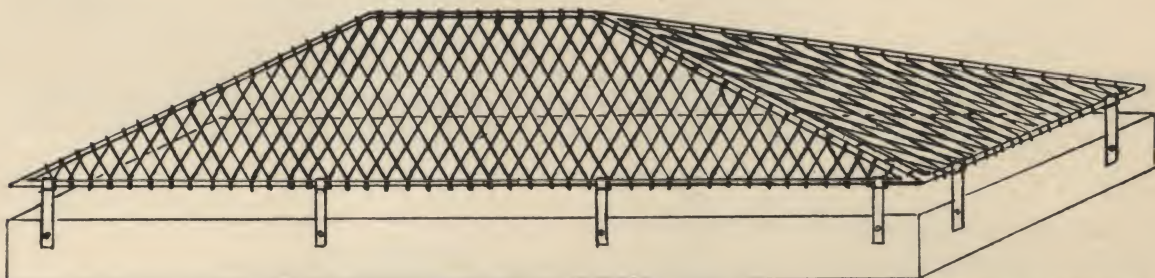


No. 30—Usually made of No. 12 wire, 1" diamond mesh, 1" x 1" x  $\frac{1}{8}$ " Angle Frame.

The Angle Frame fits around opening and can be fastened through either flange of angle.

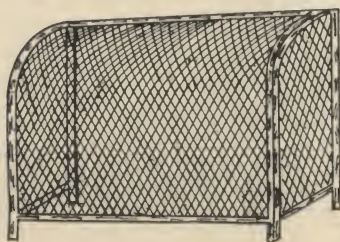
No. 31—Usually made of  $\frac{1}{4}$ " flat wire,  $1\frac{1}{4}$ " square mesh, 1" x 1" x  $\frac{1}{8}$ " Angle Frame.

NO. 35—SKYLIGHT GUARD



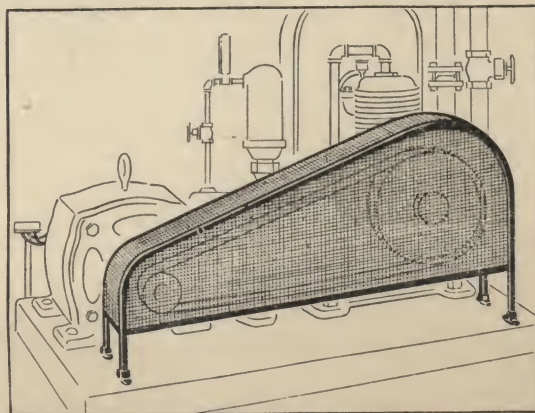
Necessary to avoid breaking of glass and resulting damage. Give measurements and detail of skylight to be guarded when ordering or writing for price.

NO. 41—RADIATOR GUARD



These are used extensively in institutions to safeguard the inmates. Can be made diamond or square mesh, any style of frame.

NO. 42—MACHINERY GUARD



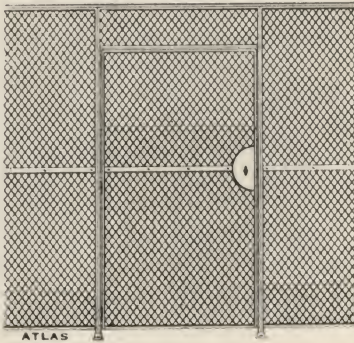
Insurance rates are reduced through the use of machinery guards and they save annoyance and worry in connection with unprotected gears, machinery, and belts. Machine guards are made to conform with factory and compensation laws. In writing for price accompany your letter with a rough sketch showing height, width, and depth of guards desired.





## Atlas Standard Sectional Partitions

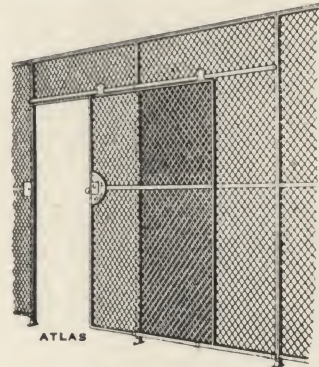
STANDARD SWING DOOR ASSEMBLY



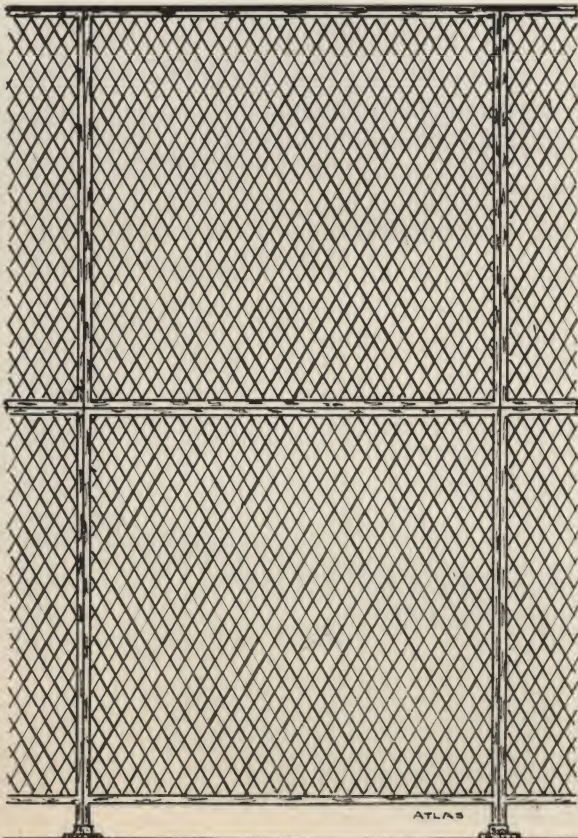
Consists of door with its overhead panel. Door is provided with butt hinges and mortise night latch operating with key from outside and by means of knob from inside the enclosure.

Price complete .....\$40.00

STANDARD SLIDING DOOR ASSEMBLY



Consists of door with overhead panel and is furnished complete with track, hangers and bronze sliding door lock. Price complete .....\$50.00



## Atlas Standard Panels

Measure 4 feet by 8 feet. All alike so as to be readily interchangeable. Can be moved and rearranged without punching, drilling or fitting.

Made of No. 10 wire, 1½ inches diamond mesh, 1 inch Channel Frames, double stiffening bar at center — cover bar at top. Flanges for fastening to floor are furnished and included with cash shipment or delivery. Generally carried in stock for immediate shipment.

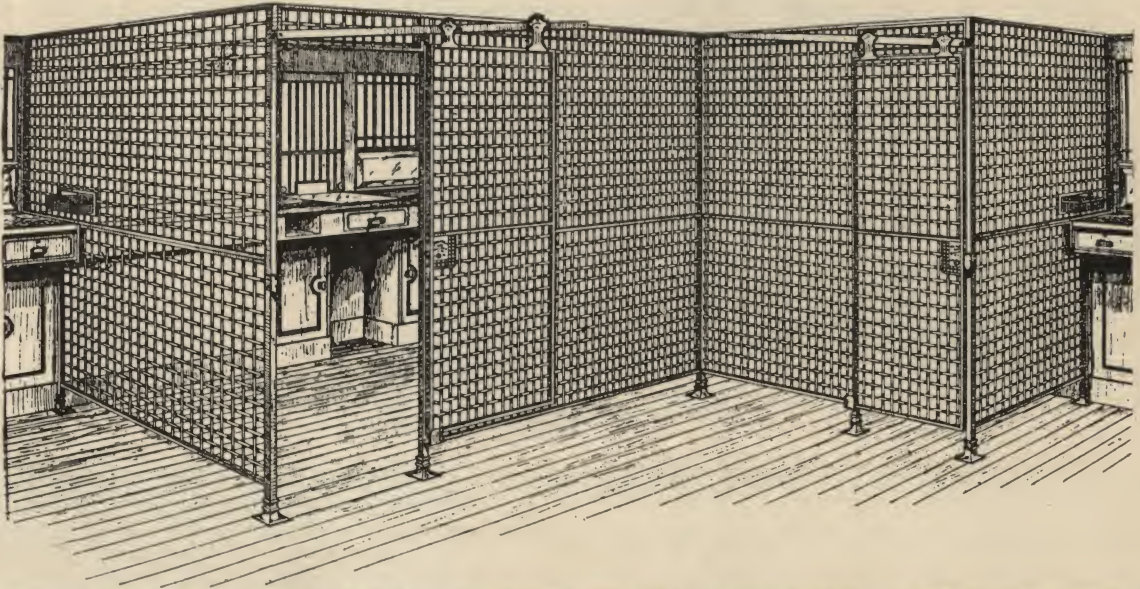
Price per panel .....\$12.00





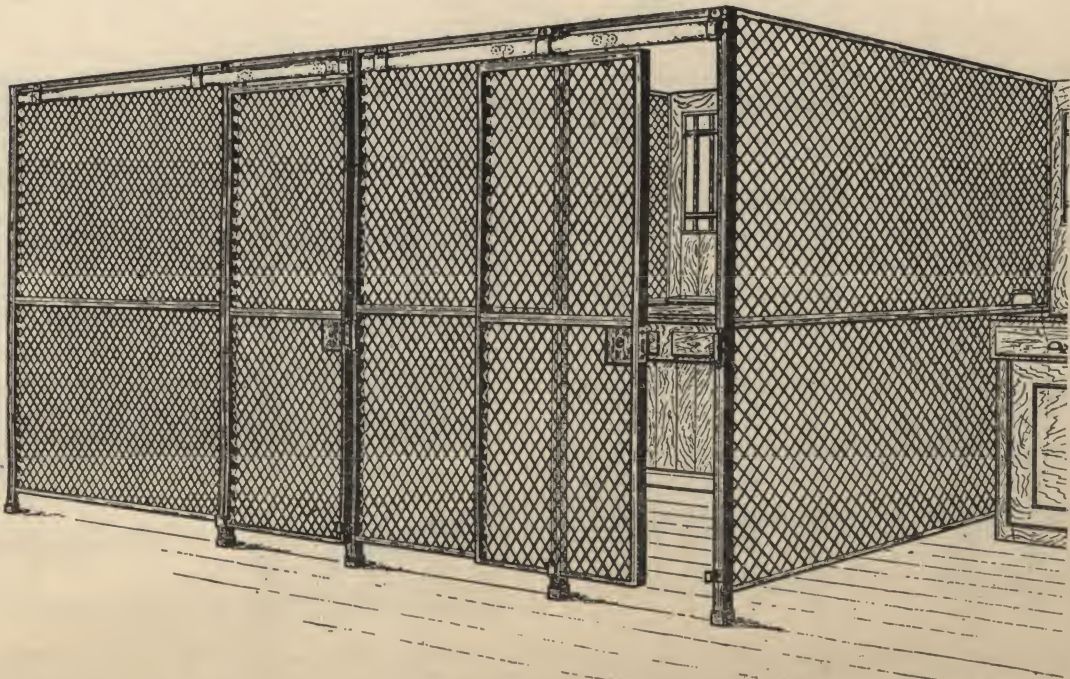
## Bank or Office Cages

NO. 51—BANK CAGE



Generally made of  $\frac{1}{4}$  inch flat wire,  $1\frac{1}{4}$  inch square mesh, or  $\frac{5}{16}$  inch flat wire,  $1\frac{1}{2}$  inch square mesh with 1 inch Channel Frames. Doors provided with necessary hardware. Price per square foot .....\$ .80  
Additional for doors and cutouts to fit counter

NO. 52—BANK CAGE



Made of No. 10 wire,  $1\frac{1}{2}$  inch diamond mesh, 1 inch Channel Frames, Doors with track, hangers and Bronze Sliding Door Lock. Price per square foot .....\$ .50  
Extra for doors and cutouts to fit counter





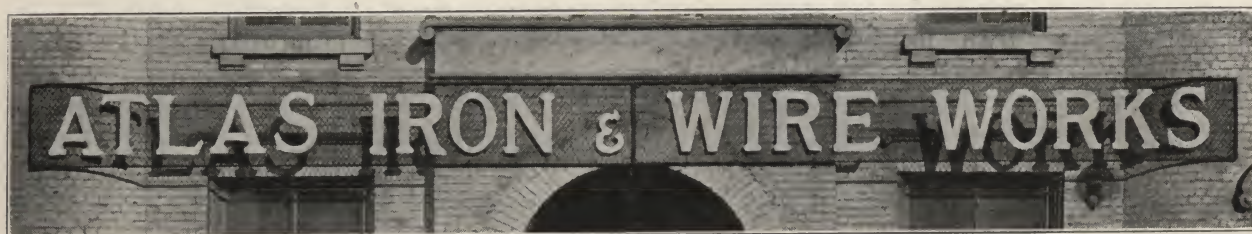
## Wire Signs

The adjoining illustration shows wire sign with galvanized sheet steel letters, the latter being securely wired to the mesh work with copper wire.

The supports may be T Bars, Angles, Pipe or guy wires as may be required by the special conditions of the job.

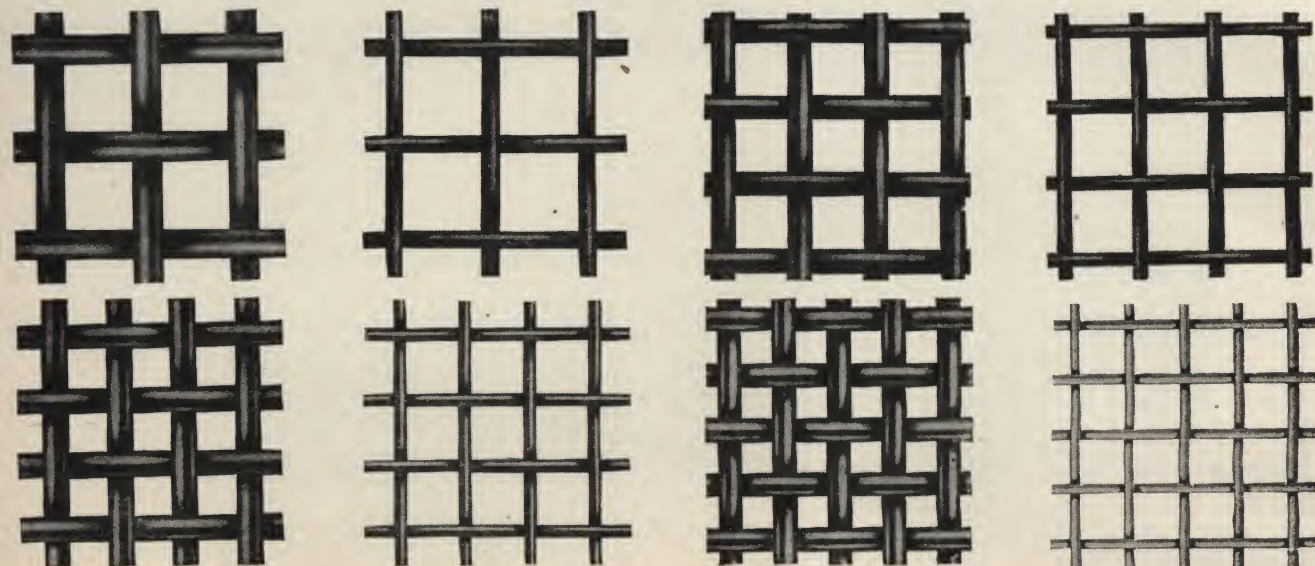
Such signs if properly placed are legible at great distances and are a valuable means of publicity.

State conditions and requirements fully when writing for price.



The illustration below shows wire sign with wood letters which type is well adapted for installation over entrance of building.

## Wire Cloth



We manufacture a wide range of wire cloth particularly the heavy grades used principally for screening coal, ore or gravel. On the lighter grades we have direct mill connections enabling us to quote minimum prices.

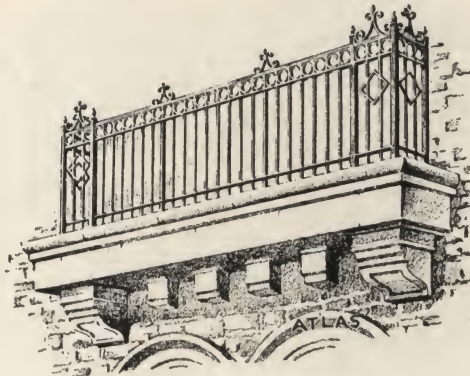
In ordering or writing for price state gauge of wire, size of mesh, which is the number of openings to the inch measuring from center to center of wires, or give the size of clear opening between wires.

State number of lineal feet wanted and the width; also specify the material, steel, galvanized, brass, copper or other metal.

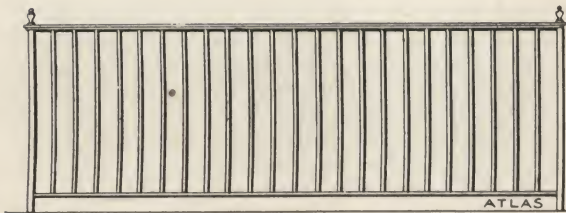




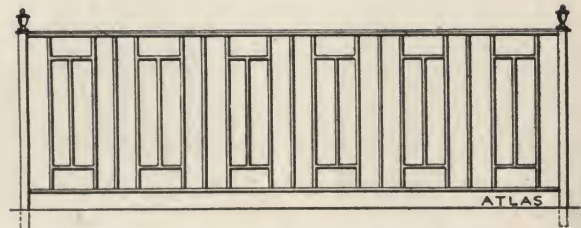
## Balcony and Porch Railings



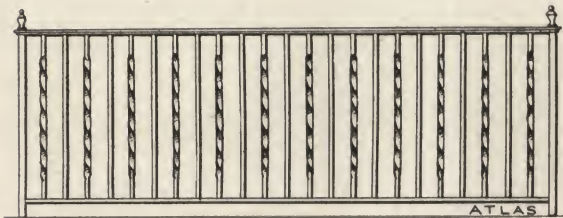
No. 122—BALCONY RAILING



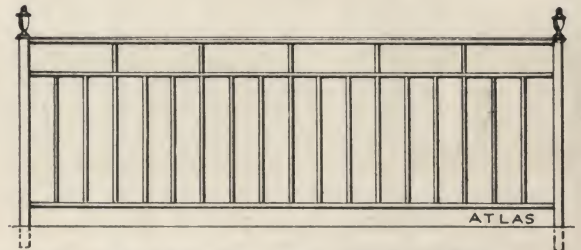
No. 101—BALCONY AND PORCH RAILING



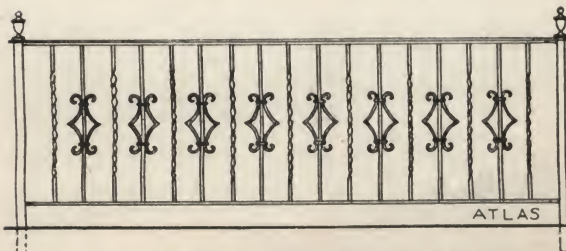
No. 103—BALCONY AND PORCH RAILING



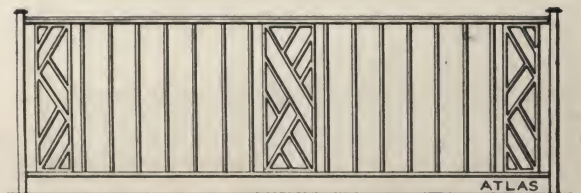
No. 102—BALCONY AND PORCH RAILING



No. 106—BALCONY AND PORCH RAILING



No. 109—BALCONY AND PORCH RAILING



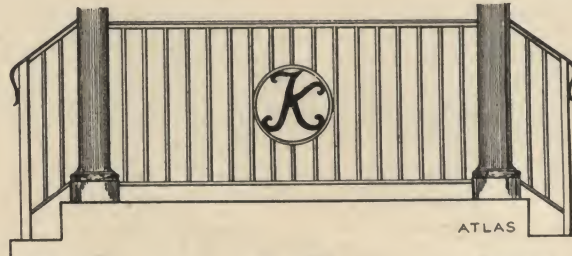
No. 108—BALCONY AND PORCH RAILING

Balcony Railings are generally made with  $\frac{1}{2}$  inch Square Bars, framed in 1 inch Channels with  $1\frac{1}{2}$  inch flat cover bar at top.

Posts 1 inch square with ornament as shown. Send sketch showing measurements when writing for price.



## Balcony and Porch Railings

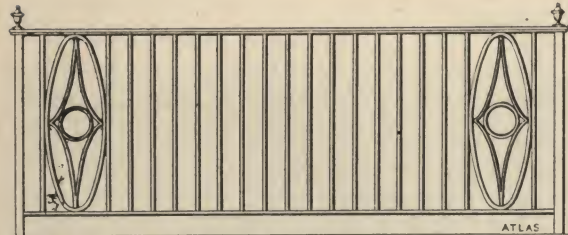


No. 114

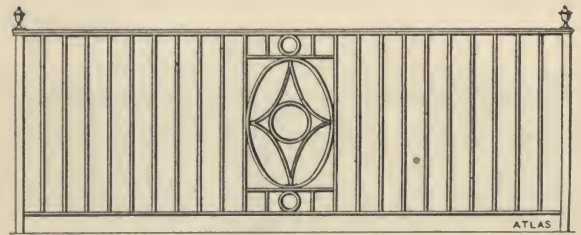
No. 112

No. 114

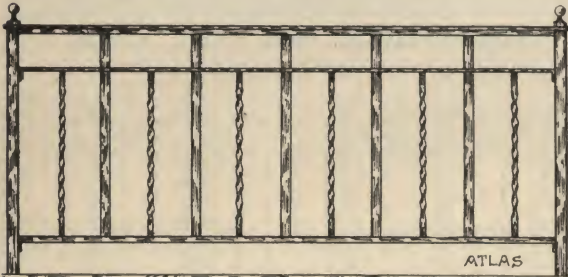
Letter at center  $\frac{1}{4}$  inch thick. Any other letter can of course be substituted.



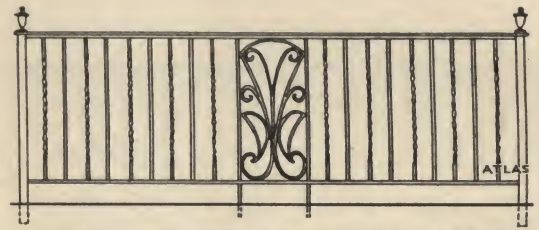
No. 107—BALCONY AND PORCH RAILING



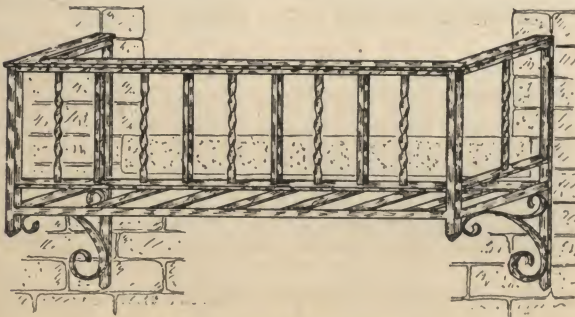
No. 104—BALCONY AND PORCH RAILING



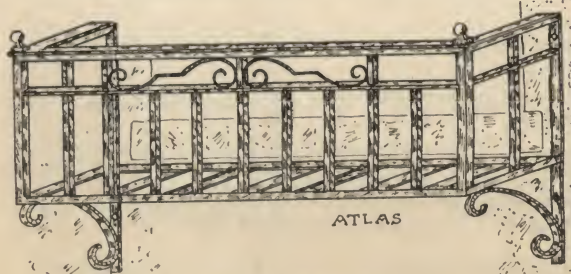
No. 105—BALCONY AND PORCH RAILING



No. 119—BALCONY AND PORCH RAILING



No. 115—BALCONY



No. 116—BALCONY

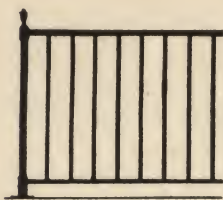
Balcony Railings are generally made with  $\frac{1}{2}$  inch Square Bars, framed in 1 inch Channels with  $1\frac{1}{2}$  inch flat cover bar at top.

Posts 1 inch square with ornament as shown. Send sketch showing measurements when writing for price.

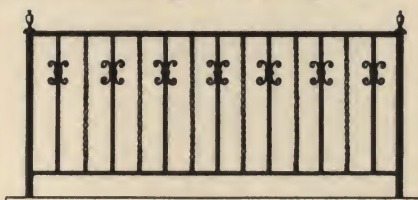




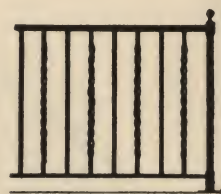
## Railing Designs



No. 201



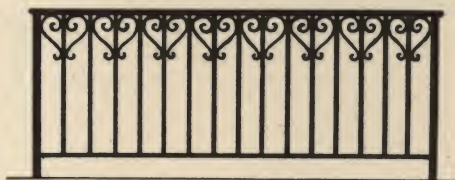
No. 204



No. 207



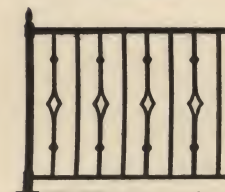
No. 202



No. 205



No. 208



No. 203



No. 206



No. 209



No. 222



No. 214



No. 210



No. 213



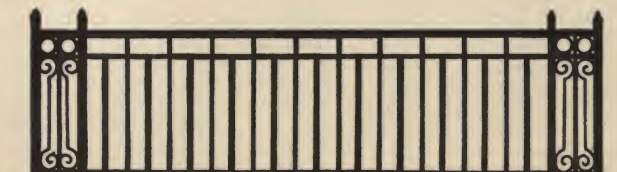
No. 221



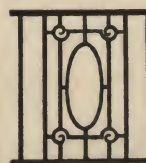
No. 218



No. 216



No. 211



No. 215



No. 217



No. 224



No. 220



No. 212



No. 219

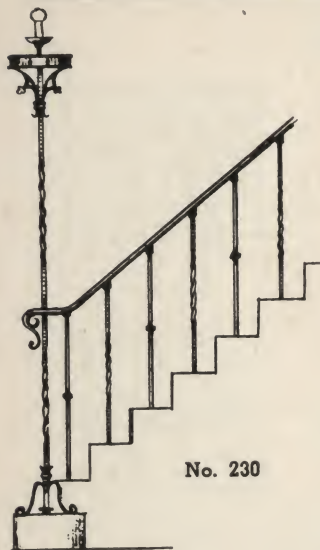


No. 223

The above are suggested railing designs and ornaments. Send particulars covering the requirements for estimate. With quotation we will give specifications and if necessary submit drawing for approval.



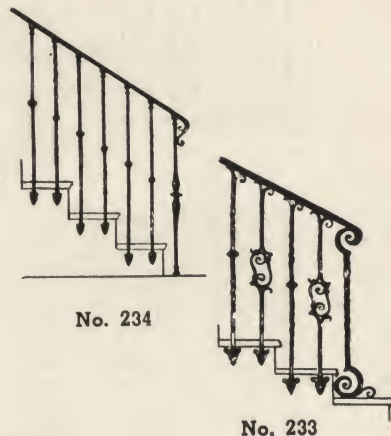
## Stair Railing Designs



No. 230

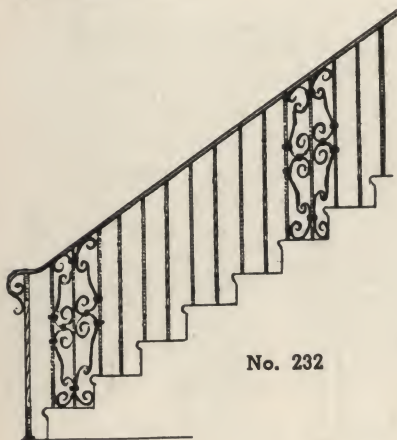


No. 239

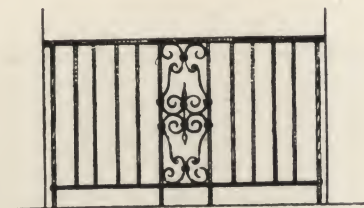


No. 234

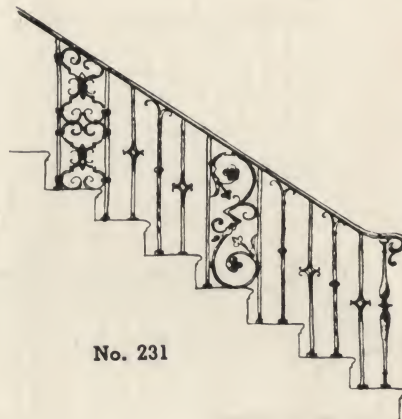
No. 233



No. 232



No. 238



No. 231



No. 236



No. 237



No. 240



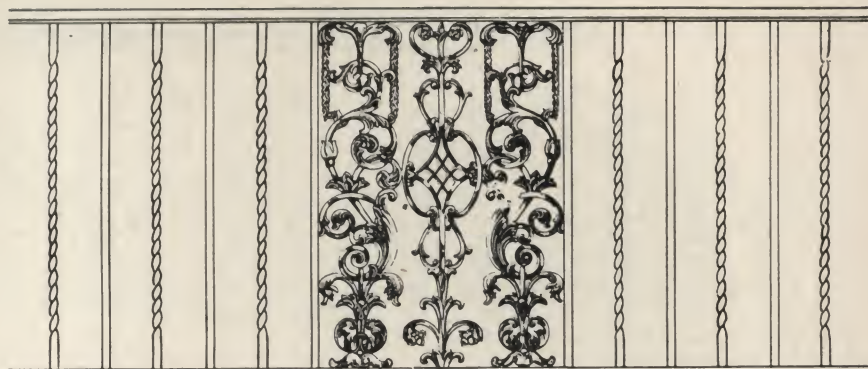
No. 235

The above designs have proven to be very popular. Price will be quoted upon receipt of information covering the requirements. We prepare drawings for approval when necessary.

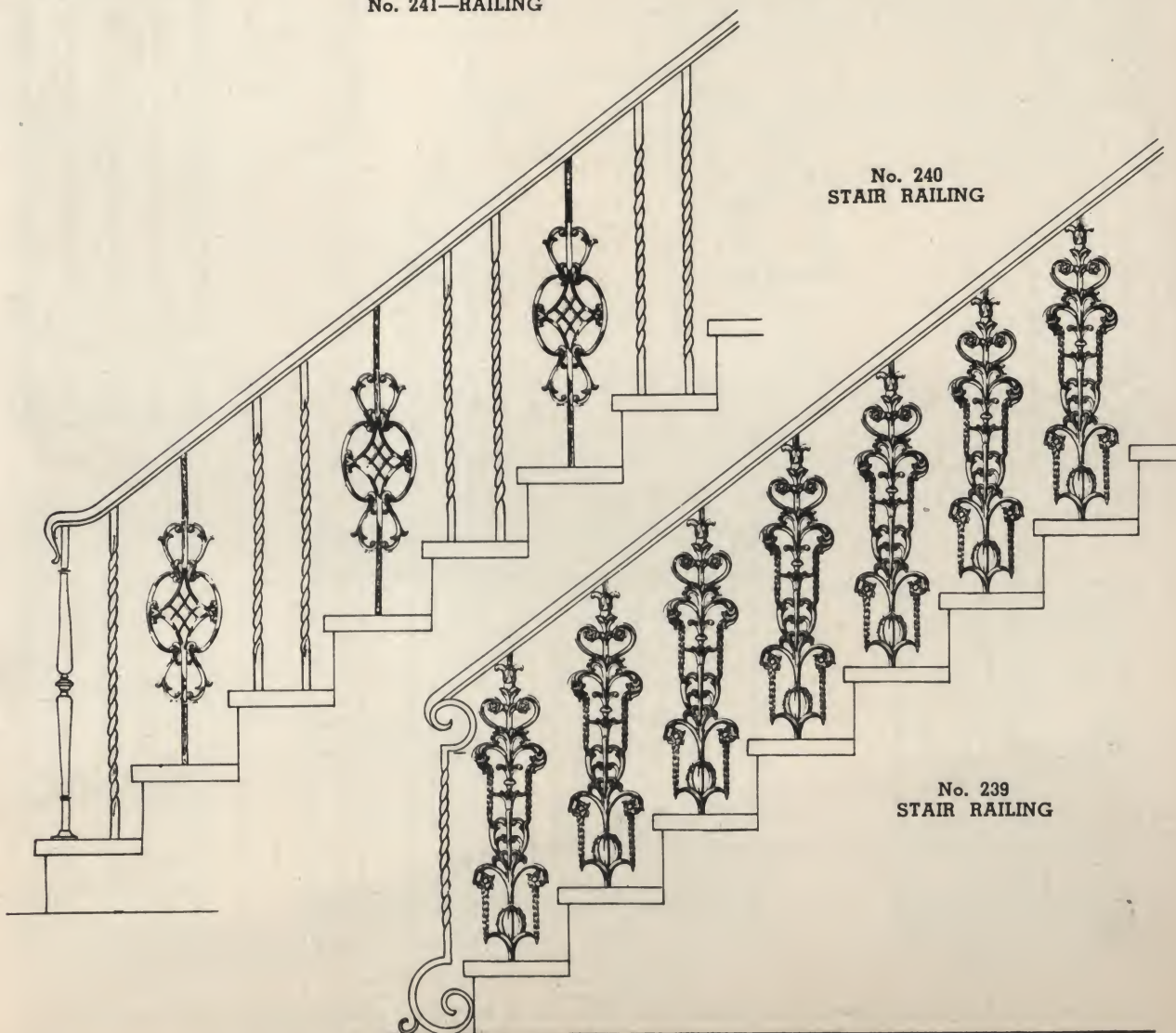




## Stair Railings



No. 241—RAILING



No. 240  
STAIR RAILING

No. 239  
STAIR RAILING

These designs are constructed with ornamental castings as shown. Write for quotation, sending complete measurements.

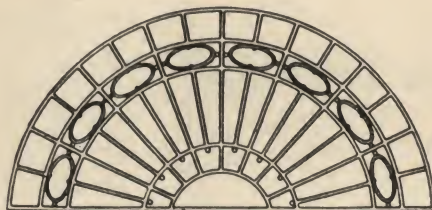




## Miscellaneous Ornamental Iron



No. 142—GRILLE



No. 141—GRILLE



No. 144—GRILLE



No. 140—GRILLE



No. 143—GRILLE



No. 175—GATE



No. 174—PARTITION WITH GATE



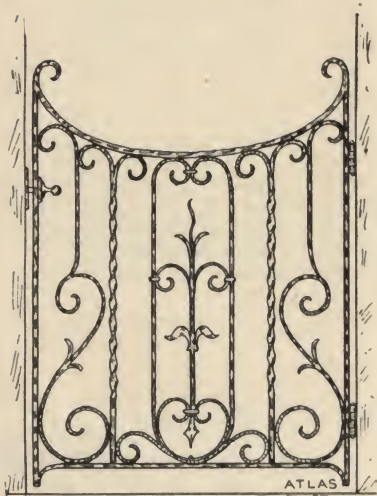
No. 145—GRILLE

When writing for prices give dimensions required. With our quotation we will specify just what we propose to furnish. We are also prepared to design specially and fabricate to the customer's requirements.

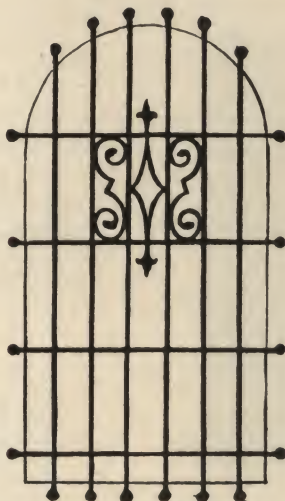




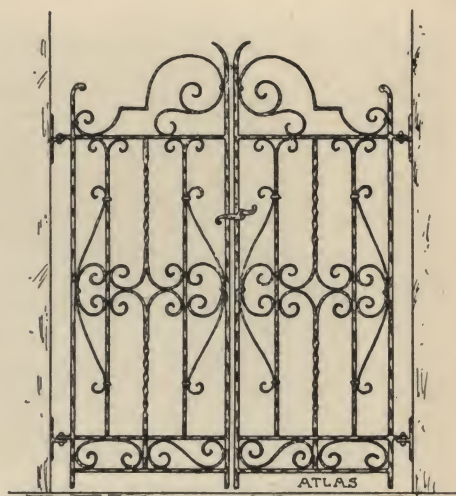
## Miscellaneous Ornamental Iron



No. 171—INTERIOR GATE



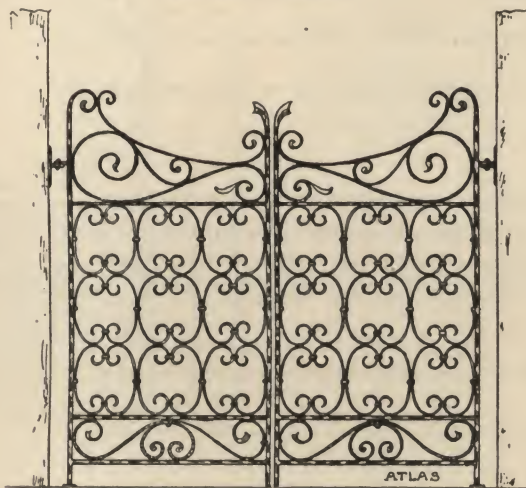
No. 158—GRILLE



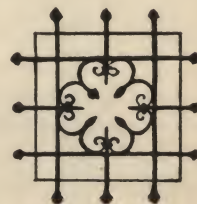
No. 172—INTERIOR GATES



No. 155—DOOR GRILLE



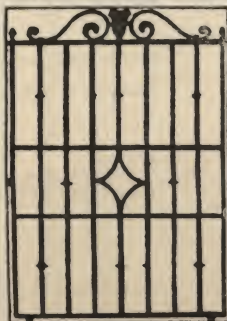
No. 173—INTERIOR GATES



No. 156—DOOR GRILLE



No. 160—GRILLE



No. 159—GRILLE



No. 161—GRILLE

When writing for prices give dimensions required. With our quotation we will specify just what we propose to furnish. We are also prepared to design specially and fabricate to the customer's requirements.





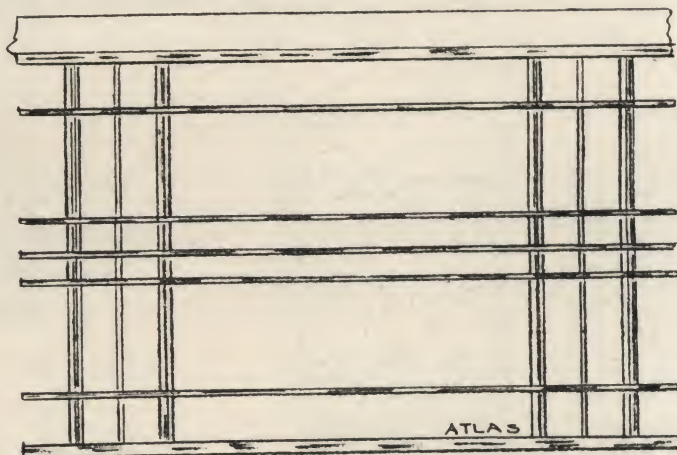
## Railings



No. 301—BRIDGE RAILING

### No. 301—BRIDGE RAILING

The adjoining illustration shows a popular design which is used largely throughout the central west. Specifications and prices furnished upon request.



No. 303—RAILING

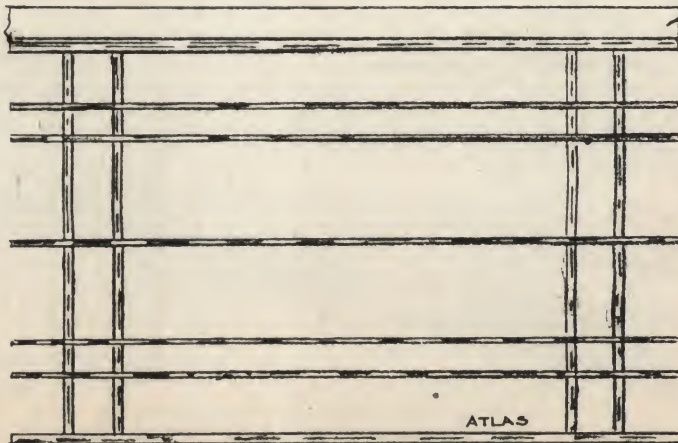
### No. 303—RAILING

This design is adapted both for interior and exterior use.

Specifications and prices upon request.

### No. 302—RAILING

This design is suitable for porches, balconies and stairs. Send particulars covering your requirements for specifications and quotation.



No. 302—RAILING





## Folding Gates

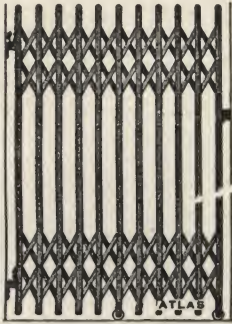
One of the designs of Folding Gates shown on this page will answer any requirement.

No. 125 is regularly constructed of  $5/8"$  x  $3/16"$  Flat Bars spaced about  $5"$  on centers.

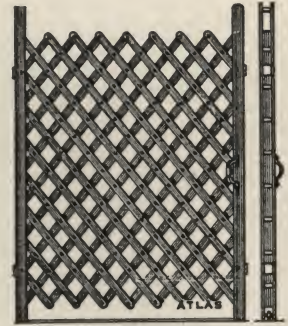
No. 126—Regular construction:  $3/4"$  Channel Uprights, Lacing Bars  $5/8"$  x  $3/16"$  Flat Steel.

No. 128—Same construction as No. 126.

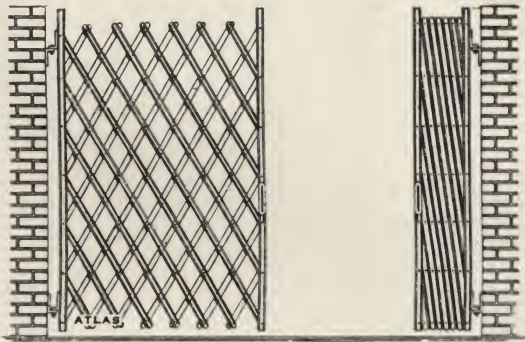
No. 130 — Made with  $3/4"$  Channel Bars, otherwise same as No. 125.



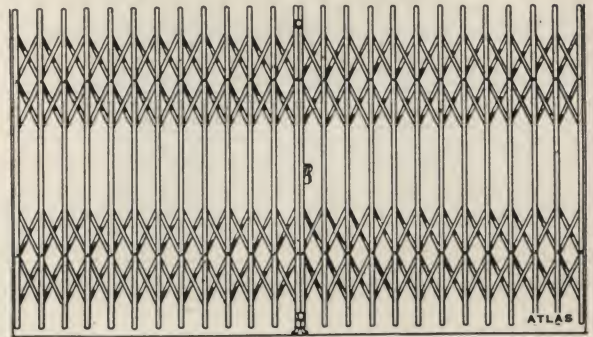
No. 126—SINGLE FOLDING GATE



No. 125—SINGLE FOLDING GATE



No. 130—DOUBLE FOLDING GATE

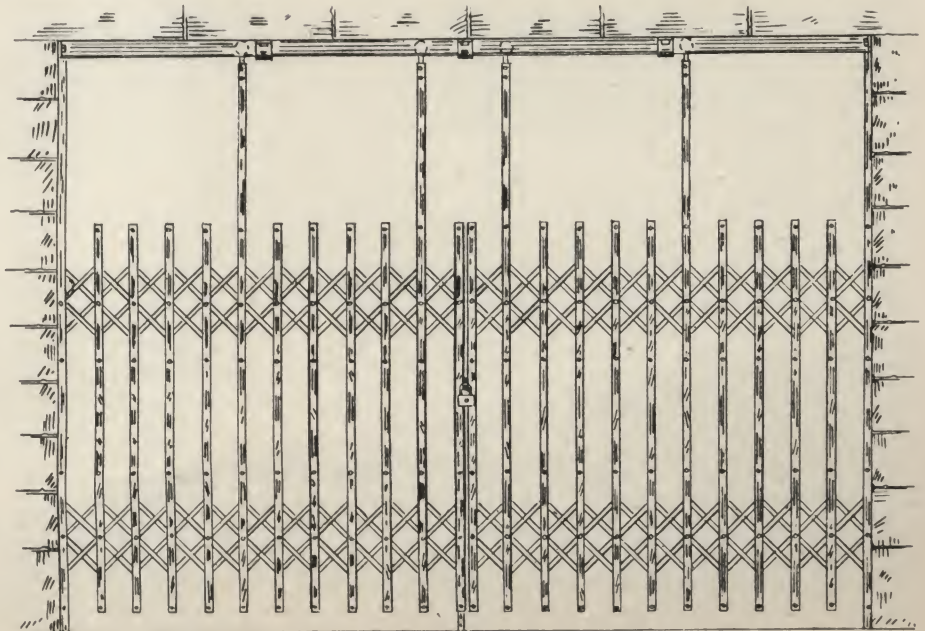


No. 128—DOUBLE FOLDING GATE

No. 129 — is constructed same as No. 128, but in addition has overhead track and is especially adapted for large openings where rigidity is of importance.

### NOTE

If undecided which type of folding gate should be specified, state size of opening, height of gate wanted and describe the particular conditions and the requirements to be met. The construction can be varied to suit and we will recommend equipment that we consider will answer the requirements.



No. 129—DOUBLE FOLDING GATE WITH OVERHEAD TRACK





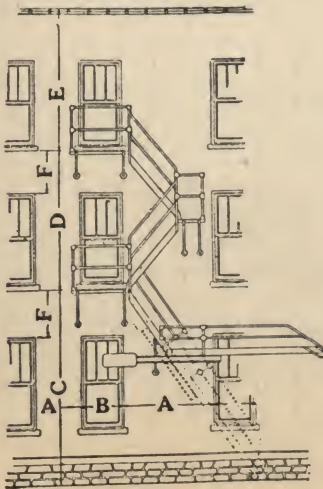
## Fire Escapes

Fire escapes are constructed in accordance with the specifications provided by the various states. We can quote on any construction that may be provided by the state or city where required.

Send sketch showing dimensions as outlined in the diagrams below. We will then quote price and if necessary prepare drawing and furnish blue print of same for approval.

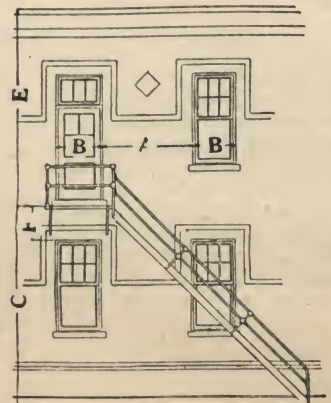
The illustration at left shows fire escape with counter balanced stair which is required under certain conditions in some localities. The illustration below shows typical fire escape from second story exit to grade.

Give full particulars when writing for price.



When asking for prices, give the following information:

- A—Distance between windows.
- B—Width of window openings.
- C—Distance from grade to underside of 2nd story window or door sills.
- D—Distance between window sills.
- E—Distance from upper window or door sill to top fire walls or roof.
- F—Distance from top of windows to underside of sills.







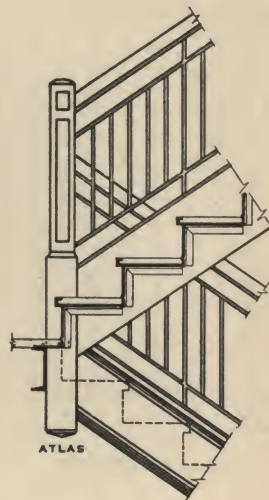
## Steel Stairs

Atlas Steel Stairs have been installed in many buildings and have proven their strength and utility.

They can be built plain or ornamental according to any design, with railings and newels to suit. The treads can be made for cement, terazzo, marble, slate or other material.

Correspondence solicited.

The photographic reproductions on this page show stairs installed in Wisconsin Consistory, Milwaukee. Herbert W. Tullgren, Architect.



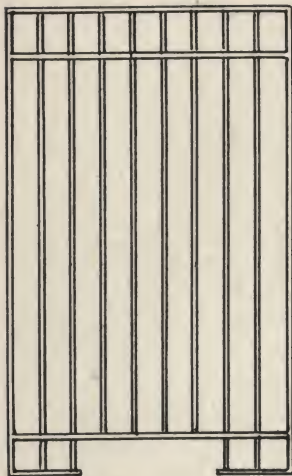




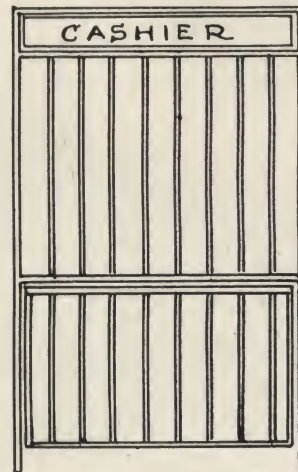
## Wickets

FOR OFFICES OR BANKS

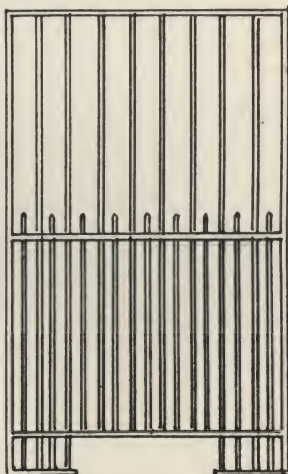
No. 190 and 194 wickets are usually made of 5/16 inch Round Bars. Others on this page of 3/8 inch or 5/16 inch square bars, with suitable framing. May be stationary or provided with hinges and lock.



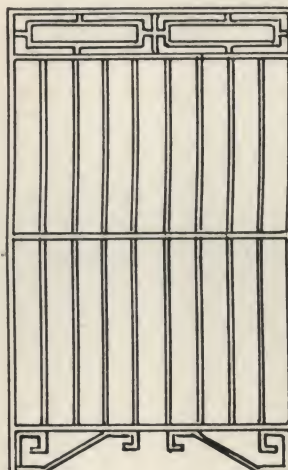
No. 191—WICKET



No. 195—WICKET



No. 193—WICKET

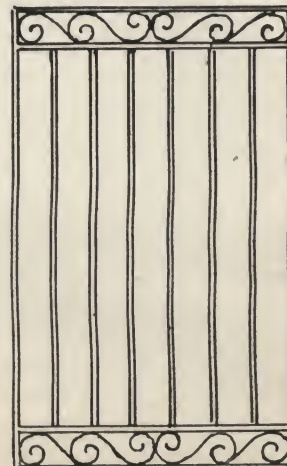


No. 192—WICKET



No. 194—WICKET

The wickets shown on this page have proven to be the most popular designs for ordinary requirements. Usually furnished in flat black, but other finishes can be had.

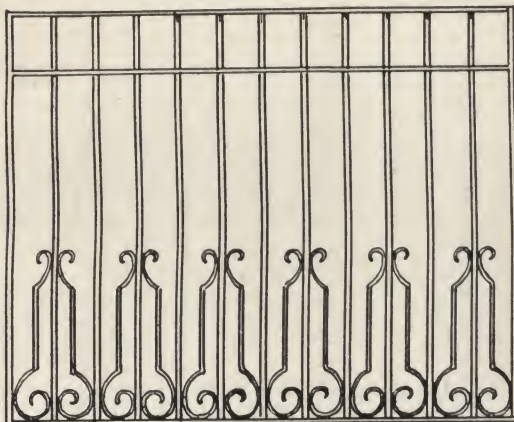


No. 190—WICKET

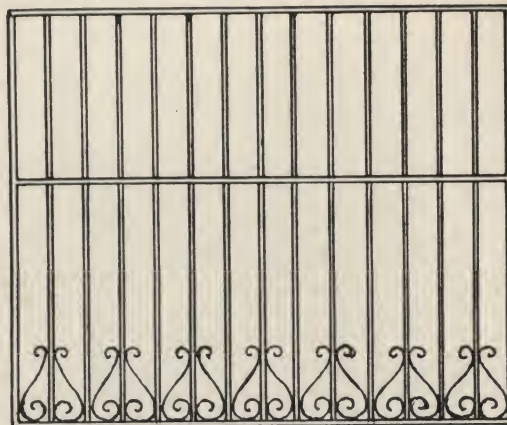




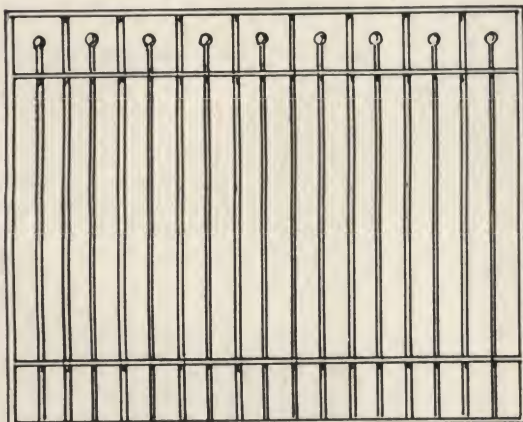
## Panels and Grilles



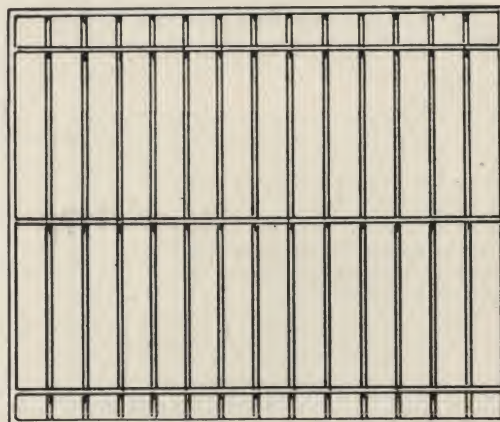
No. 186—GRILLE



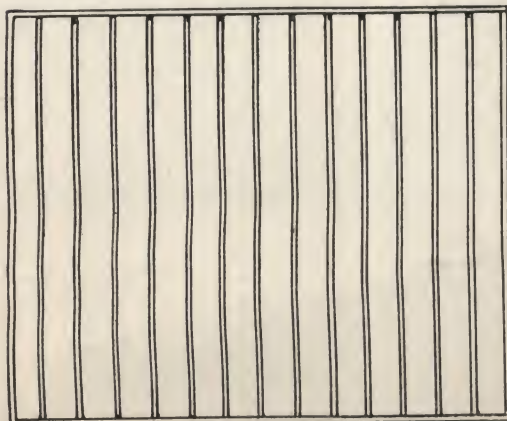
No. 185—GRILLE



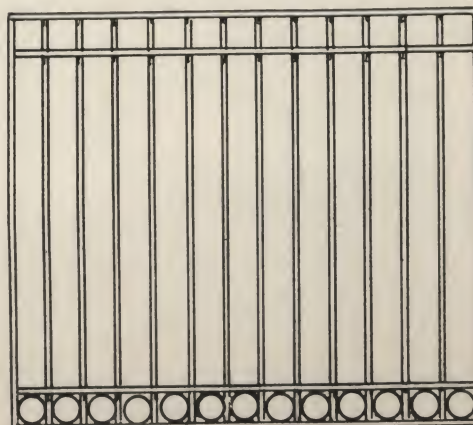
No. 182—GRILLE



No. 184—GRILLE



No. 183—GRILLE



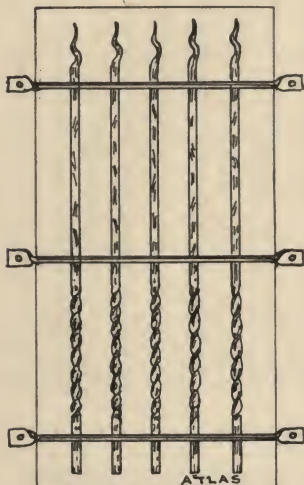
No. 181—GRILLE

No. 182 Grille is generally made with round bars—other grilles shown above are generally made with  $\frac{3}{8}$  inch or  $\frac{5}{16}$  inch Square Bars, with Channel or Flat Framing. Send list of sizes for quotation.



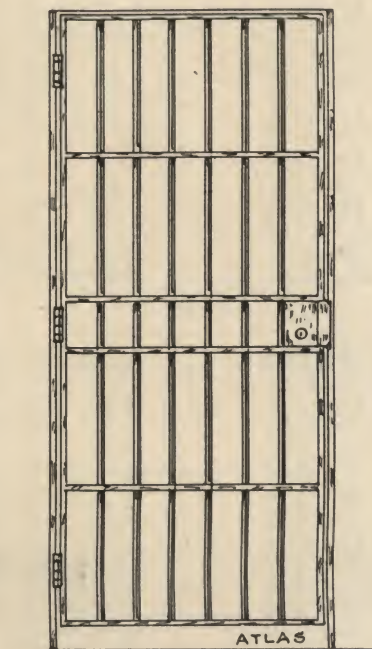


## Window Guards and Door

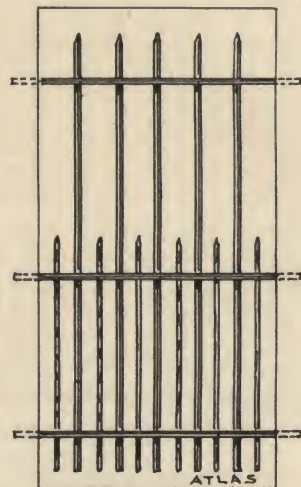


No. 403—STEEL WINDOW GUARD

No. 403 design should be made with Square Uprights. Other window guards on this page may be made either with Round or Square Uprights and of material adequate for the purpose to be served.

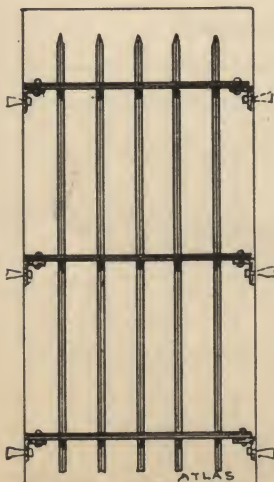


No. 405—STEEL DOOR

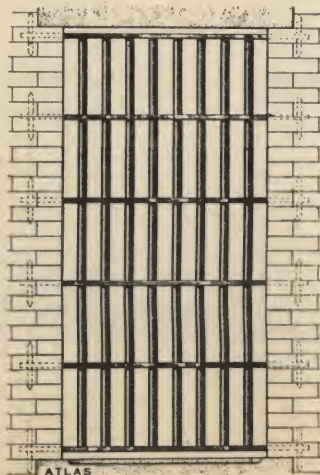


No. 404—STEEL WINDOW GUARD

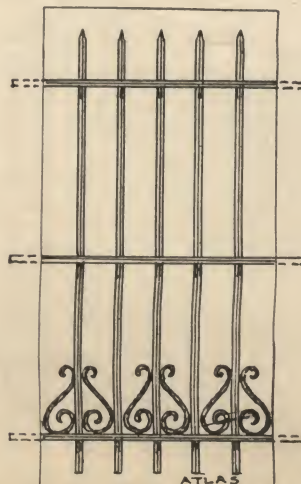
No. 405 door may be made either with Round or Square Uprights. Pad-lock fastening arrangement may be substituted for the mortise lock shown.



No. 401—STEEL WINDOW GUARD



No. 406—STEEL WINDOW GUARD



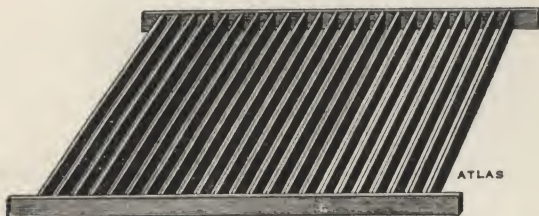
No. 402—STEEL WINDOW GUARD





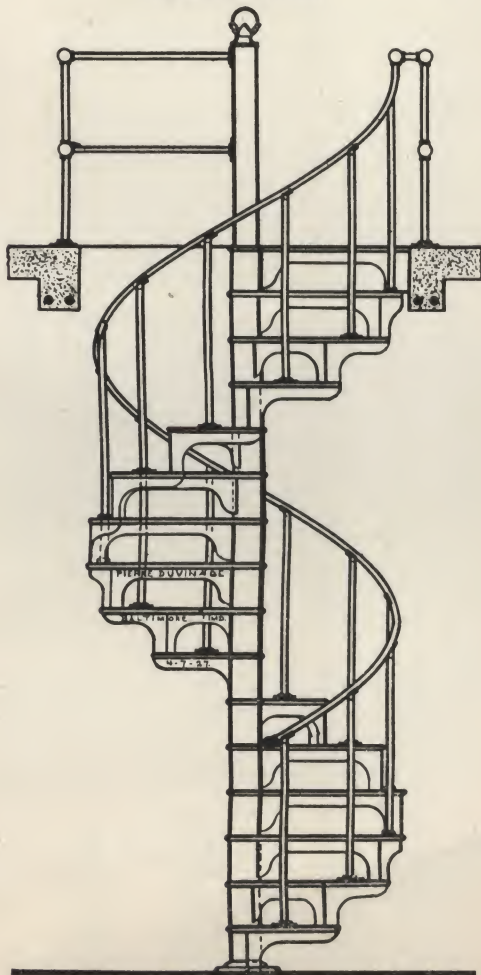
## Miscellaneous Iron Work

No. 506—AREA GRATE



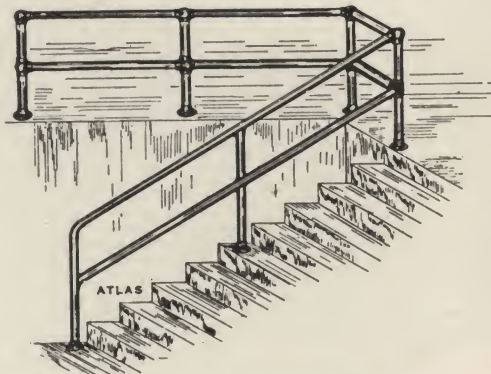
Area grates are generally made with  $\frac{1}{4}$  by  $1\frac{1}{4}$  inch flat bars set on edge and spaced 1 inch apart. Front and rear bars may be flat steel or angles. State size of openings in writing for prices and if the grate must carry an unusual load give particulars.

SPIRAL STAIRS



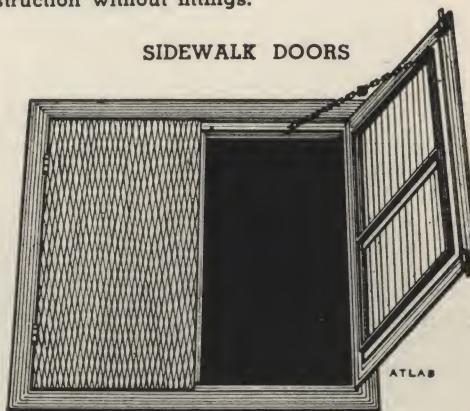
Treads are of cast iron with checkered surface. Spiral stairs are regularly furnished in 4'0", 5'0", or 6'0" diameters from standard stock patterns. Any height can be furnished and either right or left hand can be supplied.

PIPE RAILING



Pipe railing can be furnished of any size of pipe but are usually made of  $1\frac{1}{4}$  inch,  $1\frac{1}{2}$  inch, or 2 inches inside diameter pipe. Pipe railings can be made either with plain fittings, globe fittings, or welded construction without fittings.

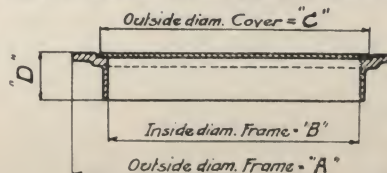
SIDEWALK DOORS



Made of diamond checkered plate of thickness adequate to the size required and the purpose which doors are to serve. Can be made water-tight construction. Prices on application.

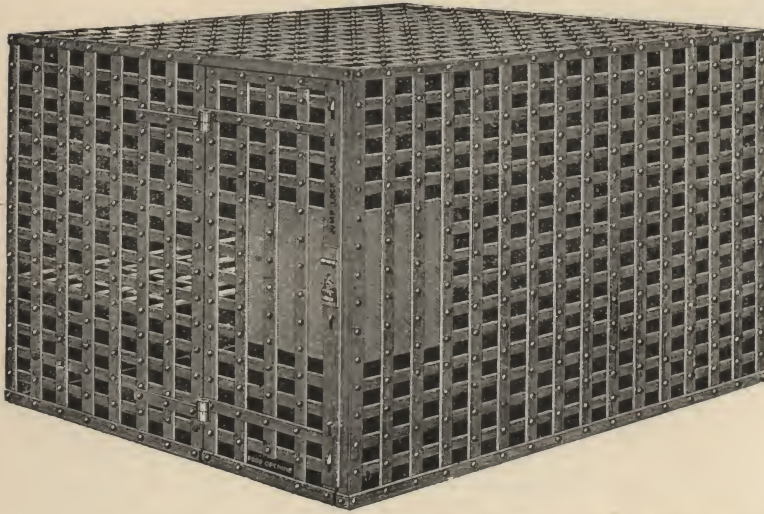


No. 41—COAL HOLE RING & COVER



No.	A	B	C	D	Weight
18	23"	18"	20"	3"	80 lbs.
20	26"	20"	21"	3 $\frac{1}{4}$ "	100 lbs.
24	30"	24"	25"	3 $\frac{1}{2}$ "	140 lbs.
30	36"	30"	32"	4 $\frac{1}{2}$ "	200 lbs.





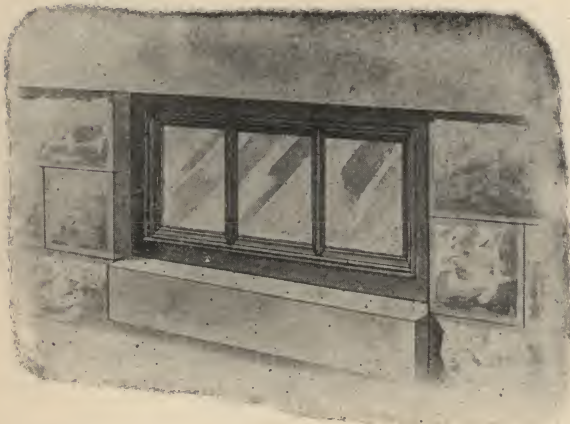
## Jail Cells

The adjoining illustration shows a steel lattice jail cell.

The single cells are generally made 5'0" x 6'6" x 6'6" high. They can be built in rows joined together, at a proportionately lower price than a single cell.

This type of jail cell is most suitable for the town or village lock-up.

## Atlas Metal Windows

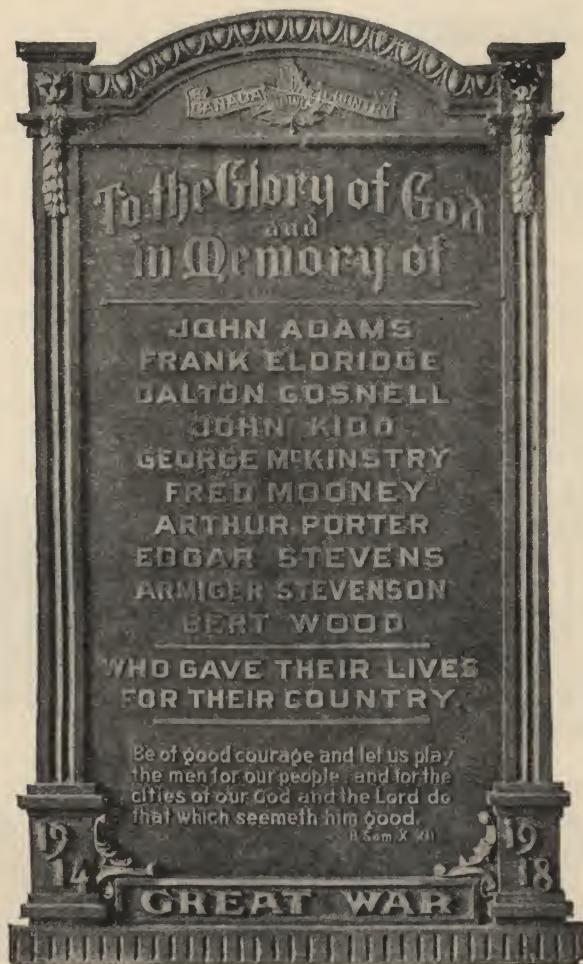


These windows are ideal for basement installation. Cost less than ordinary basement windows and last longer. Admit more light and provide better ventilation. Never warp, stick, or bind. Absolutely fire proof and rodent proof. Furnished complete with all hardware attached and requires no fitting. Double latch prevents breakage and insures safety. They are accurately fitted to make them absolutely weather proof.

Made of galvanized sheet steel and painted after fabricating. Top Hinged Sash and Frame

Code	Glass Size	Masonry Opening	Price	Code	Glass Size	Masonry Opening	Price
Arrow	2 lts. 8x12	22 x17 $\frac{1}{2}$	\$5.60	Guard	2 " 12x24	30 x29 $\frac{1}{2}$	7.10
Ball	2 " 8x12	22 x19 $\frac{1}{2}$	5.80	Jail	3 " 8x12	30 $\frac{1}{2}$ x17 $\frac{1}{2}$	7.40
Coal	2 " 10x14	26 x19 $\frac{1}{2}$	6.40	King	3 " 8x14	30 $\frac{1}{2}$ x19 $\frac{1}{2}$	7.60
Day	2 " 10x16	26 x21 $\frac{1}{2}$	6.50	New	3 " 12x16	42 $\frac{1}{2}$ x21 $\frac{1}{2}$	8.00
Dime	2 " 10x20	26 x25 $\frac{1}{2}$	6.50	Pile	3 " 12x20	42 $\frac{1}{2}$ x25 $\frac{1}{2}$	8.30
Elm	2 " 12x16	30 x21 $\frac{1}{2}$	6.60	Port	3 " 14x20	48 $\frac{1}{2}$ x25 $\frac{1}{2}$	8.50
Ford	2 " 12x18	30 x23 $\frac{1}{2}$	6.80	Queen	4 " 8 $\frac{3}{4}$ x 8	42 $\frac{1}{2}$ x13 $\frac{1}{2}$	8.50
Fire	2 " 12x20	30 x25 $\frac{1}{2}$	6.90				





## Bronze Tablets

The bronze tablets of our manufacture are high grade both as to material and execution.

Appropriate for memorial, historical and dedicatory purposes.

We will quote from drawings submitted to us, or design, specially, according to the requirements and submit drawing for approval.

We have connections that enable us to furnish the highest grade of work both from an artistic and mechanical standpoint.

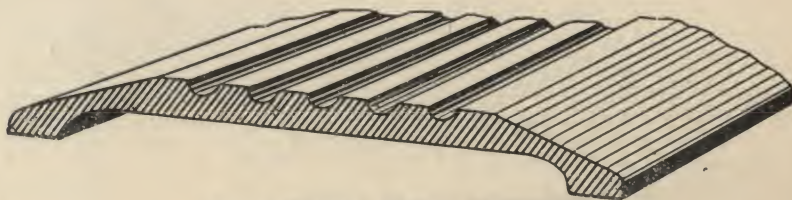
Besides the above we can furnish everything in bronze and brass material, such as railings, guards, and miscellaneous ornamental bronze for any type of building.

Other products in this line include Directional Signs, Bank Teller and Wicket Plates and Raised Letter Metal Signs of every description.

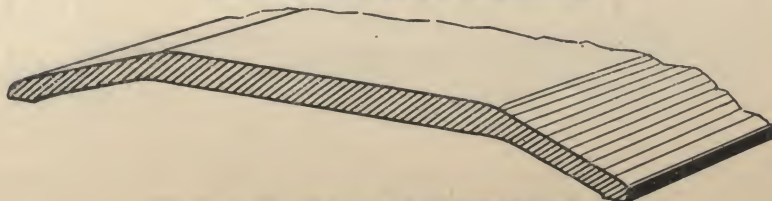
## Thresholds

The thresholds here shown are furnished from stock in 4" and 5" widths in any length that may be required at minimum prices depending upon the market.

Write for special prices on any bronze work or architectural work in any metal. Describe your requirements fully and, if possible, send sketch or illustration showing what is wanted. We can furnish special designs and drawings.



No. 8—FLUTED BRASS THRESHOLD



No. 9—PLAIN BRASS THRESHOLD





## Iron Fences

On this and several following pages we show and describe fences whose popularity have established them as standard designs, and within the price range of ordinary requirements.

In writing for price state the type of fence desired, the height, the number and location of walk gates and their width, also the number and location of driveway gates and width of same. Make a sketch of the lines the fence is to follow showing the location of corner, end, and gate posts and the gates. Give exact measurement of each section of fence. Measure to the center of gate openings and indicate the width of gate desired. If fence is not level state extent of the slope and mark on the diagram where it begins and ends.



No. 90—DESIGN IRON FENCE

This fence is made with square pickets and in heights of 37", 42" and 48" when set. It is admirably suited to protect and beautify the grounds of the modern home.



No. 99—DESIGN IRON FENCE

This fence is made with  $\frac{1}{2}$ ",  $\frac{5}{8}$ " or  $\frac{3}{4}$ " square pickets and in various heights from 37" to 72" when set. The simple beauty of this design will appeal to all. Ideal for lawn enclosure.

Full details will be given with quotation upon receipt of the information outlined at the top of this page.





## Iron Fences



No. 91—DESIGN IRON FENCE

This two rail, square picket fence with forged picket points is regularly furnished with I Beam line posts with pointed tops

A simple two line fence such as this offers an admirable opportunity for the development of distinction through the choice of entrance gates.

This type of fence may be made with  $\frac{5}{8}$ ",  $\frac{3}{4}$ " or  $\frac{7}{8}$ " square pickets and in heights of 48", 54", 60" and 72" when set.



No. 95—DESIGN IRON FENCE

This is the standard three line picket fence with forged pointed pickets.

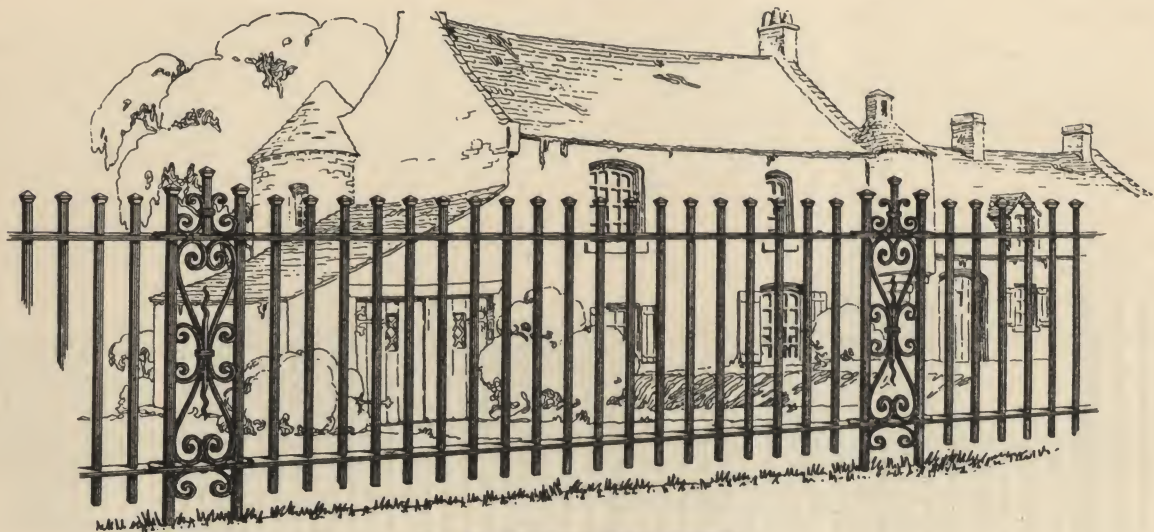
This particular fence enjoys an ever increase in degree of popularity which emphasizes our own recommendation of adaptiveness. It is equally a fence for private estates, for school or institution property, for church grounds, or other installations of consequence.

Can be made with  $\frac{1}{2}$ ",  $\frac{5}{8}$ ",  $\frac{3}{4}$ " or  $\frac{7}{8}$ " square pickets in heights from 37" to 72" when set. Send particulars for estimate.





## Iron Fences



No. 96—DESIGN IRON FENCE

This is a square set, square button topped, square picket fence with matching panel posts whose distinctive appearance commends it to wide preference, particularly where fence is selected definitely as a landscape ornament.

Newel posts, as shown, with 1" square main bars and  $\frac{3}{4}$ " x  $\frac{1}{4}$ " scroll. Made in various heights and with  $\frac{1}{2}$ ",  $\frac{5}{8}$ " or  $\frac{3}{4}$ " square pickets.



No. 97—DESIGN IRON FENCE

This is a square set, square picket fence with special gate, newel posts and ornamental gate.

A design full of large possibilities for many installations. Made with  $\frac{1}{2}$ " or  $\frac{3}{4}$ " square pickets and in various heights. Send full particulars for estimate.



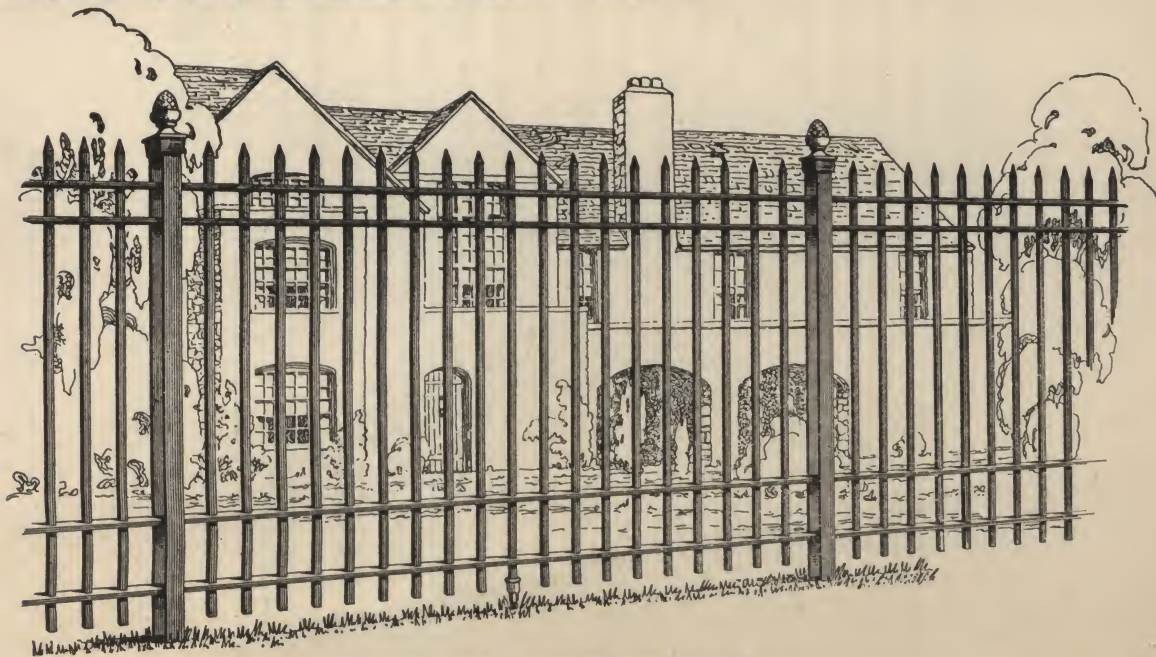


## Iron Fences



No. 100—DESIGN IRON FENCE

This is an ornamental, three line, square picket fence with forged pointed pickets. The row of rings gives this fence an ornamental character which commends it for enclosing property of consequence. It is a universal favorite, made with  $\frac{1}{2}$ "  $\frac{5}{8}$ " or  $\frac{3}{4}$ " square picket in heights from 37" to 72" when set. Write for prices giving the information as outlined on page 28.



No. 101A—DESIGN IRON FENCE

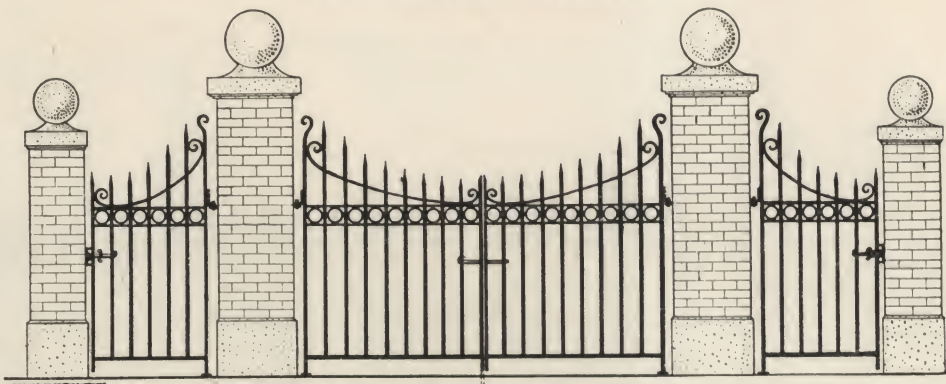
This design with its four horizontal rails and substantial square set pickets measures up to the most exacting requirements.

The pickets are forged pointed. The line posts I Beam type. The gates generally are of special design appropriate to this fence. This design, with its structural strength, measures up to the most exacting requirements. Made with  $\frac{1}{2}$ "  $\frac{5}{8}$ "  $\frac{3}{4}$ " or  $\frac{7}{8}$ " square pickets in heights from 37" to 72" when set. Send particulars for special quotation.

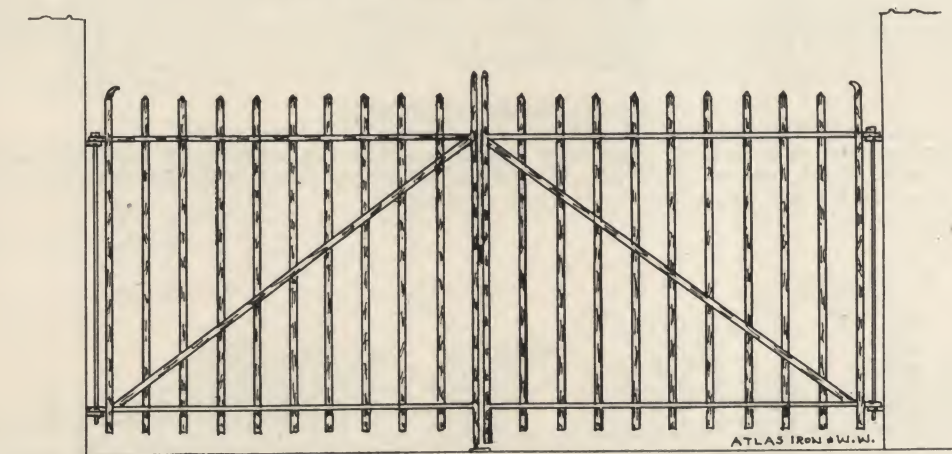




## Entrance Gates



No. 502—WALK AND DRIVE GATES



No. 501—DRIVE GATE



No. 502—DRIVE GATE

Double Drive Gates and Walk Gates made in sizes and construction to suit the requirements. Standard widths are 10, 12 and 14 feet for Drive Gates and 4 feet for Walk Gates. Prices quoted upon receipt of information covering the requirements.



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